

INDEX OF AGS STUDIES NOTES

<u>Number</u>	<u>Date</u>	<u>Subject</u>	<u>Experimenters</u>
1	3/31/73	Transmission Through LEBT and Tank #1	Linac Group
2	4/4/73	H10 FEB: Shave Beam and Extract Fraction	Bennett, et al.
3	4/5/73	Low Field Corrections for D.C. F10 Magnet	Herrera
4	4/10/73	Vertical Tune With/Without E10 & H10 $\lambda/2$ Bumps	Bennett, et al.
5	4/10/73	Optimization of Stacking Efficiency	van Steenbergen, et al.
6	4/10/73	Emittance Measurements at 750 keV, 10 MeV and 200 MeV	Linac Group
7	4/12/73	Vertical Beam Size Measurement at J5	Herrera
8	4/12/73	Coherence Damper Tests	Gill, Raka
9	4/16/73	Hadron Flux Near B Target Using IPDICS	Balsamo, et al.
10	4/17/73	Optimization of Stacking by Varying β_H	van Steenbergen, et al.
11	4/18/73	Effect of Cavity Tuning Program on Capture Eff.	Raka
12	4/20/73	#2 Attempt to Extract Beam from H10	Bagley, et al.
13	4/25/73	Vertical Beam Size Measurements at J5	Herrera
14	4/25/73	Check Discrepancy Between Calculated and Expt. Emittance	Claus
15	4/26/73	#3 Attempt to Extract Beam from H10	Bagley, et al.
16	5/1/73	Check Emittance Measuring System in Injection Line	Claus, et al.
17	5/1/73	#4 Attempt to Extract Beam from H10	Bennett, et al.
18	5/1/73	Check Linearity of Multiplexor Channels in HEBT Emittance System	Brown
19	5/2/73	Affect of Lower B on Capture Efficiency	Raka, Gill
20	5/2/73	Affect of Tuning Various Harmonics of Low Field Dipoles	Barton
21	5/4/73	Beam Distribution Upstream of B Target	Bennett, et al.
22	5/7/73	Triple Switch Phase Jump at Transition	Raka
23	5/8/73	Horizontal Beam Size at F20 for Entire Accel. Cycle	Herrera

<u>Number</u>	<u>Date</u>	<u>Subject</u>	<u>Experimenters</u>
24	5/8/73	#5 Attempt at H10 Shaving Extraction. SUCCESS	Bagley, et al.
25	5/10/73	Optimize H10 Magnet Position, Test Instrumentation	Bennett, et al.
26	5/14/73	Extract Fraction of Beam at H10, Observe Affect on SEB	Bagley, et al.
27	5/16/73	Measure Vertical Emittance of FEB in Test Beam	Bennett, et al.
28	5/17/73	Measure Horizontal Profiles of FEB in Test Beam	Bennett, et al.
29	5/22/73	Affect of FEB Fractional Extract on SEB, Calibr. Monitors	Bagley, et al.
30	5/25/73	Horizontal Emittance at High Intensity, try I10 Extract	Bennett, et al.
31	6/15/73	Intensity of Early and Late CBM vs. Multi-turn Intensity	Herrera
32	8/15/73	Set up of FEB Power Supply Amplitudes, Timing, Polarity	Blumberg, Keane
33	8/21/73	Extract 9×10^{12} Beam Into Test Channel - H10 pos. vs. CBM	Blumberg, et al.
34	8/29/73	Tune AGS	Raka, Gill, Herrera
35	9/4/73	Linear Coupling on Flattop. Beam-induced Signal on RF Gaps	Raka
36	9/5/73	Repeat of 5/2/73 Study of Low Field Orbit Harmonics	Barton
37	9/12/73	Extract FEB up to 8 Bend Point	Bennett, et al.
38	9/26/73	Reproducability of Linac and HEBT Parameters	van Steenbergen, et al.
39	10/3/73	Test 30 GeV/c FEB Extraction	Bennett, et al.
40	10/3/73	Continue Check of Linac and HEBT Parameters	Claus, et al.
41	10/3/73	Measure FEB Extraction Efficiency, Calibrate Transformers	Balsamo, et al.
42	10/6/73	Measure Aperture on 28.5 GeV/c Flattop	Gill, Raka
43	10/24/73	Single and Multiturn Stacking Efficiency	van Steenbergen, et al.
44	10/24/73	Reset Program of Bias Current to Cavities	Cottingham, et al.

<u>Number</u>	<u>Date</u>	<u>Subject</u>	<u>Experimenters</u>
45	11/14/73	Capture Efficiency vs. Impedance of RF Cavities	Barton, et al.
46	11/20/73	Injection Capture vs. B	Herrera, Raka
47	12/1/73	Tune Measurements Using Computer Fit to Perturbed Orbit	Barton
48	12/4/73	Intensity vs. Operating Point (v_H , v_V) at Injection	Barton, et al.
49	1/14/74	Beam Tuning With Low Field Corrections	Herrera, Barton
50	1/23/74	FEB Instrumentation Tests	Bennett, et al.
51	1/24/74	Low Field Tuning. Effect of Shorting 8 RF Cavities	Raka, Gill
52	2/12/74	Test Beam Transport to A Target, Stability	Glenn
53	2/20/74	Intensity vs. RF Gap Voltage on J-Station	Raka
54	2/28/74	LESB Secondary Intensity vs. C. Target Material	Glenn, S. Smith
55	3/5/74	Activate Triple Switch at Transition	Raka
56	3/9/74	Vertical Beam Size at J19 vs. Time in Cycle	Herrera
57	3/15/74	Transition Losses vs. Beam Intensity	Raka
58	4/1/74	E15 Kicker for v_H Measurement. Bunch Shape Osc.	Raka
59	4/1/74	Horizontal Beam Size Measurements at F20	Herrera
60	4/8/74	Synchronization of MG set Frequency with Line	Cottingham, et al.
61	4/16/74	Beam Tuning to Maximize Accelerated Beam	Raka, et al.
62	5/8/74	I10 Magnet Position vs. Early CBM. I10 Extraction	Keane, Cornish
63	--	Beam Stacking to Restore Early CBM to 1.8×10^{13}	van Steenbergen, et al.
64	5/10/74	Beam Capture in High Voltage (150 kV peak) mode. Horn instabil.	Raka
65	7/1-10/74	Steering and Tuning with New Optics in LEBT	van Steenbergen, et al.
66	7/12/74	Measure Linear Coupling at 2, 14, 26 and 28.5 GeV/c	Raka, Month

<u>Number</u>	<u>Date</u>	<u>Subject</u>	<u>Experimenters</u>
67	7/16/74	Test New Instrumentation in Linac and HEBT	Batchelor, et al.
68	8/16/74	SEB Extraction Efficiency vs. F10 Magnet Position	Blumberg, Glenn
69	8/20/74	Test of H2O Electrostatic Septum for SEB	Bagley, et al.
70	9/15/74	Test of High Voltage (120 kV peak) Acceleration	Raka, Gill
71	5/12/75	FEB Intensity Measurements with Foils, Transformers	Cumming
72	5/27/75	Low Intensity Emittance Measurements for ISA	Claus, et al.
73	5/3/76	SEB Efficiency with H2O Electrostatic Septum	Blumberg, et al.
74	5/6/76	Low Intensity ($\sim 10^7$ ppp) in U-beam. Calibrate C Counter	Balsamo, et al.
75	11/23/76	Affect of Upstream FEB Magnets on AGS Beam Intensity	Adams, et al.
76	12/22/76	Beam size (vertical) before and after transition with 75 mA 95 μ sec injected beam.	Raka
77	12/22/76	Beam matching in HEBT IV	E. Gill, LeMaire
78	1/3/77	Linac beam losses	Witkover, et al.
79	1/18/76	5 GeV/c spill into B line for Exp. 703	Agoritsas, et al.
80	1/18,19/77	Low energy fast extracted beam in U-line	Bagley, et al.
81	12/1,2/76	SEB-FEB sharing	Gill, et al.
82	2/2/77	1.5 GeV/c FEB extraction	Bagley, et al.
83	1/31/77	Beam size measurements at ISABELLE intensity; 4×10^{12} /pulse	Raka
84	3/12/77	Initial debuncher tests	Sheehan
85	4/21/77	Linac beam bunching at 2.5 MHz (ring rf frequency)	Fewell
86	4/23-26/77	1.5 GeV/c multi-turn FEB extraction at maximum intensity	Blumberg, et al.
87	5/9,10/77	1.5 GeV/c FEB extraction and transport	Blumberg, et al.
88	6/23/77	5 GeV/c low intensity slow spill for Experiment 703	Carroll, et al.

<u>Number</u>	<u>Date</u>	<u>Subject</u>	<u>Experimenters</u>
89	7/1/77	Extract 1.5 GeV/c FEB to U-186 Beam Stop at maximum AGS Intensity.	Blumberg, et al.
90	7/21/77	5 GeV/c Slow Spill for Expt. 703.	Carroll, et al.
91	7/26,27/77	1.5 GeV/c FEB Extrac. & Emitt.	Blumberg, et al.
92	8/16,17/77	1.5 GeV/c MTX FEB	Blumberg, et al.
93	8/31/77	Vertical Injection Matching Studies.	Raka, et al.
94	8/8,9,11,15, 26,29,31/77	Vertical Beam Size and Emittance at Low and High Intensity.	Raka
95	9/9/77	Vertical Injection Matching Studies.	Raka, et al.
96	9/12,13/77	1.5 GeV/c MTX FEB	Egelman, et al.
97	9/22/77	Injection Studies (Sources of Vertical Dilution)	Raka, et al.
98	9/28,30,10/3	Vertical Phase Space Dilution Studies at Injection	Raka, et al.
99	10/6/77	Control of Rf Verniers During Phaseback and Flat Top.	Gill, et al.
100	10/14/77	Extraction Efficiency.	Glenn, et al.
101	10/19/77	Fast Repetition Rate of AGS.	Weng, Gill
102	10/20/77	Injection Matching and Dilution Studies.	LeMaire, Raka
103	10/17/77		Brown, Glenn
104	10/27/77	Investigation of A Line Transport Losses	Glenn
105	10/20/77	Linac Emittance and Momentum Spread Variation with Current	Witkover, Fewell
106	12/2/77	Further Investigation of A-line transport losses	Brown/Glenn
107	12/19/77	Longitudinal Impedance Investigations at 28.5 GeV	Pedersen, Raka,Gill
108	3/29/78	Longitudinal Phase Space Studies	Raka, Gill
109	4/6/78	Longitudinal Impedance Measurements II	Pedersen,Raka,Gill
110	4/13/78	Longitudinal Impedance Measurements III	Pedersen,Raka,Gill
111	7/10/78	Radial Control of Magnetic Field or a 6.75 GeV/c Flat Top	E. Raka, E. Gill, A. Feltman

<u>Number</u>	<u>Date</u>	<u>Subject</u>	<u>Experimenters</u>
112	7/12/78	Controlling Beam Dumping	J. Glenn
113	7/12-13/78	C SEC Scan and Calibration	A. Soukas, J. Glenn et al.
114	7/16/78	Longitudinal Impedance Measurement IV	E. Raka, E. Gill
115	8/24/78	Longitudinal Impedance Measurement V	E. Raka, E. Gill, L. Ahrens
116	10/5,7/78	Longitudinal Impedance Measurement VI	E. Raka, L. Ahrens
117	11/27-28/78	Longidutinal Impedance Measurements	E. Raka, L. Ahrens E. Gill
118	12/22/78	Longitudinal Impedance Measurements	E. Raka, L. Ahrens E. Gill
119	2/22/79 3/13/79	F5 Vertical Aperture Investigation	J.W. Glenn
120	3/21/79	Electrostatic Splitter Test in the C Line	J.W. Glenn, H. Weisberg
121	1/22/79 2/7/79	Longitudinal Impedance Measurements	E. Raka, L. Ahrens E. Gill
122	2/22/79 3/7/79	Longitudinal Coupling Impedance Measurements	E. Raka, L. Ahrens E. Gill
123	4/14/79	Longitudinal Impedance Measurement at 3 BeV/c	E. Raka, L. Ahrens E. Gill
124	12/13/79	Longitudinal Phase Space Measurements	L. Ahrens E. Gill E. Raka
125	4/80-8/80	SEC Response	J.W. Glenn
126	8/5/80	Beam Profile Measurement at A171 Flag	AS Carroll, B. Ewing and JW Glenn
127		SEC Response Continued	JW Glenn
128		Synchronization of the AGS Rf to External Oscillator at 29 GeV	EC Raka
129	12/10-20/80	SEB Sizes Compared with Calculated Sizes	J.F. Ryan

<u>Number</u>	<u>Date</u>	<u>Subject</u>	<u>Experimenters</u>
130	2/6/81	Spectrum Analysis of PLL "Noise" Under Synchronization	E. Raka, J. Claus, M. Cornacchia, E. Gill J. Poole
131	5/7/81	The H5 Kicker Test	W. Weng
132	6/11/81	SEB Beam Size vs. Intensity	H. Weisberg
133	7/1/81	To Determine Whether or Not F5 Losses Could be Reduced by Turning on No. 13 Sextupoles	D. Barge & J.W. Glenn
134	7/9/81	The AGS Gauss Clock Reproducibility Test	W. Weng
135	8/5/81	D-Line Study	G. Bunce
136	3/18/82	Variation of the Location of the AGS Beam Loss Radiation by Modification of the High Field Equilibrium Orbit	L. Ahrens, J.W. Glenn
137	5/19/82	Polarities and Connections of High Field Straight Section Magnets in AGS Ring	D. Barge, A. Feltman, J. Funaro, R. Noble, J. Post & H. Weis- berg
138	6/7/82	U-Line Emittance Measurement at U618 by MSEM	I-H Chiang, J. Ryan, G. Smith, W. Weng
139	1/13/83	AGS Beam Blowup by Kr Gas (preliminary of E-778)	H.C. Hseuh
140	4/13/83	Ring RF Cavity Shorting Switch-- First Commissioning	L. Ahrens, W. Frey, J.W. Glenn and J. Keane
141	4/20/83	Search for Intensity Limits on AGS Spiraling Beam	J.W. Glenn, E. Gill L. Ahrens
142	4/27/83	Vertical Beam Blowup During Slow Extraction	L. Ahrens, E. Gill, J.W. Glenn
143	5/5/83	Inspection Main Magnet Coil With Video Therm Portable Infrared System	Maint. Group, M. Clancy, H. Farrell, E. Tombler & M. Zguris

144 → See Book #2

<u>Number</u>	<u>Date</u>	<u>Subject</u>	<u>Experimenters</u>
144	6/9/83	Linac momentum spread-- a crude measurement	L. Ahrens
145	6/9/83	Injection machine parameter measurement	L. Ahrens, J.W. Glenn
146	6/7/83	Low intensity studies for polarized protons	R.T. Sanders
147	6/3/83	A measurement of HEBT momentum spread for a 20 mA H^- beam	D.S. Barton, R.K. Reece, R.L. Witkover
148	5/31/83	B Line vertical beam size at the B target	J.W. Glenn
149	3/6/83	AGS horizontal and verti- cal emittance vs energy	L. Ahrens, E. Gill <i>Weisbers</i>
150	5/31/83	A/D line steering	J.W. Glenn
151	6/8 & 9/83	Operation at Full B	M. Clancy, J. Gabusi, E. Gill and J.W. Glenn
152	6/7/83	RF Capture at Low B	E. Raka, E. Gill, <i>W.Weng</i>
153	5/29, 30/83	Losses at F10	D.A. Barge and J.W. Glenn
154	6/4/83	Rf Capture at Zero B	E. Gill and E. Raka
155	6/4/83	Rf Capture of Prebunched Linac Beam at Zero B	L. Ahrens, E. Raka, W. Weng
156			
157	6/8-9/83	Transport of SBE Beam to the D Target	J.W. Glenn and J. Ryan
158	6/9/83 and 9/30/83	Comparison of June and September Operation of SBE	I-H Chiang, J.W. Glenn, A. Soukas and W-T Weng
159	12/22/83	Stopband Correction Studies: Bunch Shape at Injection vs Starting Oscillator Settings	E. Raka and E. Gill

- 160 6/1/83 Vertical Tune Measurements at Slow Extraction
L. Ahrens, D. Barge and J.W. Glenn
- 161 12/9,11,12/83 Measurements of the Radius of the AGS Beam During FEB (1.4 sec pulse rate)
D. Barge
- 162 3/26/84 Measurement of Tune Conditions for HEBT Achromatic Bend
D. Barton, K. Reece
- 163 6/4/84 Using I-10 Vertical Bump Magnet to Investigate the Clearance of H-5 Kicker Magnet
L. Ahrens, I-H Chiang, E. Gill, J.W. Glenn
- 164 6/19,20/84 SEB Spill Structure
L. Ahrens
- 165 8/1/84 Temperature Effects on RF Cavity Tuning
W. Frey, J. Woods
- 166 5/8/84 SEC Calibrations
J.W. Glenn
- 167 10/22-11/5/84 Vacuum Stability Around G-20 Gas Jet
H.C. Hseuh, J. Gabusi, E-788 Personnel
- 168 11/4/84 Effect of Interpulse Dwell and Peak Field History on Accelerated Beam Intensity
R. Allard, K. Brown, J.W. Glenn
- 169 11/11/84 Temperature Effects on RF Cavity Tuning
W. Frey & J. Woods
- 170 Nov/Dec 84 Testing of the PIP Monitor
K. Gardner & L. Ahrens
- 171 1/8/85 The Fast Injection Bump and Machine Tunes
L. Ahrens & C. Gardner
- 172 1/18/85 Further Studies of the Fast Injection Bump
L. Ahrens and C. Gardner
- 173 2/10/85 E-20 Catcher Position and Skew Studies
K. Brown

- 174 3/7/85 Polarized Proton Fast Quad Tests
L.A. Ahrens, L.G. Ratner, Fast Quad Group
- 175 1/17-18/85 E-20 Beam Catcher Position and Skew
K. Brown, E. Gill, Y. Makdisi
- 176 3/15/85 Additional Position Studies on the Beam
Catcher at E-20
K. Brown, Y. Makdisi
- 177 2/27/85 Further Studies of the Fast Injection Bump and
Comparison with Analytic Expressions and with
Results from the BEAM Program
L. Ahrens, C. Gardner
- 178 4/18/85 Injection Orbit Correction for Polarized Proton
Acceleration
L. Ahrens, L. Ratner, J. Skelly
- 179 3/29/85 Measurement of Circulating Beam Size with Flip Target
R. Thern
April 30, 1985
- 180 4/24/85 Study of Higher Gap Volts at Injection
E. Gill, L. Ahrens, E. Raka, J. Woods, W. Frey
May 2, 1985
- 181 5/22/85 To Program Power Supplies for Horizontal and Vertical
High Field Quadrupole Strings to Shift Tune of AGS
During Acceleration Cycle
A. Feltman, J. Funaro, R. DiFranco
May 22, 1985
- 182 5/15/85 Tune Measurements on the AGS
L. Ahrens, J.P. Potier, W. van Asselt
June 6, 1985
- 183 5/6/85 Calibration of the HEBT Steering Dipoles
(ND431, ND437) and Pitchers (NP435, NP440)
L. Ahrens and C. Gardner
June 14, 1985
- 184 6/19/85 Measurements of Chromaticity and Momentum Spread at
Injection in the AGS Using PIP
L. Ahrens and C. Gardner
June 19, 1985

- 185 6/6/86 Contribution of F5, F10 Extraction Magnets to Slow Spill
I-H Chiang, R. DiFranco, C. Eld, J. Funaro,
J.W. Glenn, R. Lockey, A. McNerney
June 28, 1985
- 186 4/9/85
(& later) Observation of a Secondary Beam Using a Flag and TV Camera
E. Tombler, J. Weinmann, J.W. Glenn
July 10, 1985
- 187 7/1,3,8/85 β Quad Excitation; β Function Measurement
E. Raka, E. Gill, W. Van Asselt
July 15, 1985
- 188 5/29;6/4;6/12;
6/19/85 Emittance Growth Due to Scattering by the Stripping Foil
L. Ahrens, D. Barton, C. Gardner, E. Gill, J-P Potier
July 16, 1985
- 189 8/22/85 Bunch Tearing, Initial Observations
L. Ahrens, W. Van Asselt, K. Brown, E. Gill, J.W. Glenn,
H. Foelsche, K. Reece, E. Raka, S. Tanaka, J. Woods
September 10, 1985
- 190 8/23/85 A Test of the AGS Ring Vacuum System by Utilizing the E-10 IPM (Vacuum Control Leak) and by Creating Localized Beam Loss
J.W. Glenn, K. Brown and M. Tanaka
September 19, 1985
- 191 10/29/85 Tuning the AGS for Minimum Phase Space Dilution at Transition: Preliminary Study of Transverse Instabilities After Transition
E. Raka, L. Ahrens, E. Gill
October 29, 1985
- 192 11/7/85 Passing Transition With a Double Phase Jump
L. Ahrens, E. Gill, E. Raka
November 15, 1985
- 193 12/11/85 Measurement of Twiss Parameters and Emittance in the U Line
J. Ryan and R. Thern
11/5/85

- 194 12/9/85 Injection Porch Setup for Heavy Ion Injection
 A. Feltman, F. Heimroth, C. Staal
 December 18, 1985
- 195 12/23/85 Injection Porch Parameters for Heavy Ion Injection
 H. Ashby, J. Curto, A. Feltman
 January 3, 1986
- 196 11/14-15/85 Extraction Losses Produced by the H10 Septum
 Magnet Fringe Field
 E. Bleser, J.W.Glenn, P. Ingrassia, J. Ryan, S. Tanaka
 January 10, 1986
- 197 11/23/85 Measurement of Emittance vs Intensity in the U Line
 J. Ryan and R. Thern
 January 13, 1986
- 198 1/10/86 Polarization and Radius
 L. Ahrens and L. Ratner
 January 16, 1986
- 199 11/6/85 Optimum Radial and Skew Position of the E-20 Beam Catcher
 K. Brown and M. Tanaka
 January 17, 1986
- 200 11/17/85 Tune and Chromaticity Correction
 L. Ahrens and W. van Asselt
 February 4, 1986
- 201 11/16/85 To study problems associated with maintaining circulating
 beam on a 1 GeV flattop, in particular to construct such
 a flattop, accelerate beam across it, and measure tunes
 and chromaticities if possible
 L. Ahrens, J. Gabusi, W. van Asselt
- 202 3/12/86 Dependence of the Frequency on the Radius at
 Extraction
 L. Ahrens, E. Bleser, K. Brown, J.W. Glenn, S. Tanaka,
 R. Thern, W. van Asselt
 March 24, 1986
- 203 3/25/86 Destruction Limits of Aluminum and Boron Carbide Targets
 E. Bleser, S. Naase, R. Thern
 March 28, 1986

- 204 3/19/86 Study of the AGS Tune Control, Especially
 4/1/86 at Extraction
 4/8/86 L.A. Ahrens, W.K. van Asselt
 April 15, 1986
- 205 4/24/86 Pressure Bump Effects on the High Intensity Beam
 M. Tanaka, E. Gill, J.W. Glenn, L. Ahrens
 May 20, 1986
- 206 6/14/86 Measurement of Chromaticities and Eddy Current
 Effects at Low Fields
 L.A. Ahrens, W.K. van Asselt
 June 26, 1986
- 207 5/1/86 Measurement of the Influence of the β - quads
 L.A. Ahrens, C. Gardner, S. Tanaka, W. van Asselt
 June 27, 1986
- 208 7/11/86 Transition Jump Using $\Delta\nu$ Produced by the Polarized
 Proton Fast Quadrupoles
 L.A. Ahrens, E. Raka, L.G. Ratner, S.P. Yamin
 July 18, 1986
- 209 7/1, 6, 7/86 Emittance Measurements in Heavy Ion Transfer Line
 S. Sidhu, D. Barton
 July 29, 1986
- 210 7/17/86 RFQ Repetition Rate
 J.M. Brennan, V. LoDestro, T. Russo
 July 30, 1986
- 211 7/22-29/86 Interim Report on Vertical Survey
 E. Bleser
 8/4/86
- 212 7/11/86 Using the Linac Beam to Survey HEBT Quadrupole
 Magnets, Linac Position Monitors and SEM Units.
 R.K. Reece
 August 8, 1986
- 213 7/9&20/86 Tune Measurement and Nu-Quad Calibration at H-
 and Heavy-Ion ($^{8+}$) Injection Fields
 C. Gardner
 August 13, 1986
- 214 7/7 & 7/12/86 Direct Observation of Primary PUE Signals
 J.M. Brennan and L.A. Ahrens
 September 9, 1986

- | | | |
|-----|--------------------------|---|
| 215 | 12/9/86 | To Explore the Potential of the Presently Installed Horizontal Sextupoles for Chromaticity Correction
Y.Y. Lee, L.A. Ahrens, E. Gill, <u>W.K. van Asselt</u>
December 30, 1986 |
| 216 | 10/27, 11/1,
11/11/86 | The Working Line During Oxygen Acceleration
W.K. van Asselt
December 30, 1986 |
| 217 | 12/11/86 | Orbit Changes from Moving Magnets E17 and K15
L. Ahrens, E. Bleser, E. Gill, M. Tanaka, <u>R. Thern</u>
January 7, 1987 |
| 218 | 12/18/86 | Polarized Proton Quad Positions I
<u>L. Ahrens</u> and L. Ratner
January 8, 1987 |
| 219 | 12/17/86 | SEB Extraction Study I - Calibrations of the Ring Loss Monitor (RLM) and the Secondary Emission Chamber (SEC) by Changing the Electrostatic Septum Position and Skew (H20US/DS)
E. Bleser, J.W. Glenn, <u>M. Tanaka</u> , R. Thern
January 27, 1987 |
| 220 | 1/4-1/27/87 | Latest Results from Studies of Induced Radioactivity
<u>K.A. Brown</u> and <u>M. Tanaka</u>
February 24, 1987 |
| 221 | 1/22/87 | Tune Measurements at Injection, and Comparison with Similar Measurements Made in July, 1986.
C.J. Gardner
February 25, 1987 |
| 222 | 1/16,26;2/4/87 | SEB Extraction Study II - Investigations of the Apparent Beam Intensity Dependence of Extraction Efficiency
E. Bleser, I.H. Chiang, <u>J.W. Glenn</u> , <u>M. Tanaka</u> , R. Thern
February 27, 1987 |
| 223 | 1/26-3/3/87 | Radiation Levels at the Possible Bunch Dilution Cavity/Diode Locations
W. Frey
March 24, 1987 |

- | | | |
|-----|------------------|--|
| 224 | 1/1-3/1/87 | Observation and Measurement of Linear Coupling in the AGS
W.K. van Asselt and C.J. Gardner
April 1, 1987 |
| 225 | 3/2/87 | Calibration of the Stripped Electron Collector-- Status Report
<u>L. Ahrens, V. Castillo, K. Reece</u>
April 17, 1987 |
| 226 | 6/7/87 | Measurement of Chromaticity at H^- Injection Momentum with a D.C. Power Supply Connected to the Main Magnets
<u>C. Gardner, E. Gill, W. van Asselt</u>
June 22, 1987 |
| 227 | 6/1/87 | Study of the Effect on Injection of D.C. Powering F10 Extraction Septum Magnet
<u>E. Gill, J.W. Glenn, J. Funaro, C. Gardner,</u>
W. Van Asselt
June 30, 1987 |
| 228 | 6/5/87 | Gamma-Transition Studies
L.A. Ahrens, E.C. Raka, <u>L.G. Ratner</u>
July 1, 1987 |
| 229 | 3/1/87 | SEB Extraction Study III - Measurement of Extraction Efficiency During the Spill
E. Bleser, J.W. Glenn, <u>M. Tanaka</u> , R. Thern
July 15, 1987 |
| 230 | 6/11/87 | Polarized Proton Quad - E.O. Position Measurement
<u>L. Ahrens, L. Ratner</u>
July 16, 1987 |
| 231 | 1/21/87 & 2/3/87 | HEBT Steering
<u>R.K. Reece and L.A. Ahrens</u>
July 17, 1987 |
| 232 | 6/12/87 | RLRM Response and Prototype Test
<u>G. Bennett, P. Zaminski</u>
July 27, 1987 |

- +BS
- 233 8/5/87 The IBM as a Monitor of Injection Field
Reproducibility
E. Gill, L. Ahrens, C. Gardner
June 7, 1987
- 234 10/1-2/87 Moving Magnets to Cancel 9th Harmonic (Horizontal)
L. Ahrens, E. Auerbach, E. Bleser, R. Thern, W. van Asselt
October 15, 1987
- 235 10/1-3/87 Orbits at Various Tunes
L. Ahrens, R. Thern, W. van Asselt
October 19, 1987
- 236 2/17/88 Flattop Frequency Studies for the VHF Cavity;
Stability, Reproducibility, Resolution
J.M. Brennan, J. Gabusi, E. Gill, A. Zaltsman
March 2, 1988
- 237 1/22/88 Polarization Measurement Using the Internal Polarimeter
Without a Measuring Porch.
L. Ahrens
March 11, 1988
-
- 238 2/17/88 Stopband Measurements in the AGS (I)
W. van Asselt, C. Gardner, E. Gill
April 1, 1988
-
- 239 3/25/88 P Quad - E.O. Posotion. Measurement II.
L. Ahrens, L. Ratner
April 19, 1988
- 240 5/18-19/88 Gamma-Transition, Yet Again
L.A. Ahrens, P. Yamin, (L. Ratner)
July 1, 1988
- 241 5/19/88 B Servo System Measurement and Modeling
S.Y. Zhang, A. Soukas, J. Sandberg, A. Feltman,
J. Gabusi
July 13, 1988
- 242 5/14/88 Flattop Tune and Chromaticity Measurements for
24 GeV/c SEB. K. Brown
July 19, 1988

- 243 9/20/88 SEB Slow Spill Servo System Measurement
 S.Y. Zhang, A. Soukas, A. Feltman, J. Gabusi
 May 16, 1988
- 244 10/6/88; 10/26/88 Radiation Levels Near the E-20 Catcher
 E. Bleser, R. Colichio, A. Levine,
 S. Musolino
 November 4, 1988
- 245 11/21/88 AGS Shield Tests
 K. Brown, J.W. Glenn, S. Musolino, A. Stevens
 R. Thern
 November 4, 1988
- 246 11/21/88;
 11/23/88;
 11/25/88 Measuring the Momentum of the AGS Beam
 R. Allard, E. Bleser, R. Di Franco, J. Ryan,
 P. Sparrow, R.Thern, W. van Asselt
 December 5, 1988
- 247 12/22/88 Detection of Radiation From Loss of Silicon
 Beam at Various Momenta
 January 3, 1989
- 248 12/17/88 Effects of Transition on Debunching and
 Spill Observations and Conclusions
 January 31, 1989
- 249 2/15/89 Instabilities on the Booster Front Porch
 E. Gill, E. Raka, J.M. Brennan, L. Ahrens
 February 23, 1989
- 250 3/16/89 Tune Space Measurements
 L.G. Ratner and W. van Asselt
 April 10, 1989
- 251 4/12/89 Longitudinal Instability on 1.5 GeV (KE)
 Flattop
 L. Ahrens, J.W. Glenn, E. Gill, K. Reece,
 E. Raka, W. van Asselt
 April 18, 1989
- 252 11/88; 12/88;
 3/89; 4/89 Progress in Commissioning the Very High Frequency
 (VHF) Cavity
 K. Reece, L. Ahrens, M. Brenna, W. van Asselt,
 A. Zaltsman
 April 27, 1989

<u>No.</u>	<u>Date(s) of Study</u>	<u>Title/Experimenter(s)/Author(s)/Date of Report</u>
253	4/89	Beam Heating of Ferrite Magnets W. Frey, Y.Y. Lee, <u>W. van Asselt</u> April 27, 1989
254	3/30/89; 5/1/89	Phase Spread in the High Level RF System J.M. Brennan and A. Zaltsman May 22, 1989
255	5/27/89	Survival Test of Wires in H-20 Septum <u>E. Bleser, R. Thern, K. Brown</u> June 5, 1989
256	5/26/89	Further Progress in Commissioning the Very High Frequency (VHF) Cavity <u>K. Reece, L. Ahrens, W. van Asselt, A. Zaltsman</u> July 20, 1989
257	4/22/88 (yes, 1988!)	Measurement of the Equilibrium Orbit Distortion Produced by the Low-Field Dipoles in the AGS <u>L. Ahrens, W. van Asselt, C. Gardner</u> July 26, 1989
258	5/29/89	Vertical Chromaticity Study at 4.5 GeV/c in the AGS L.G. Ratner and L.A. Ahrens August 3, 1989
259	6/26/89	Beam Losses on Si ⁺¹⁴ Injection Due to Ambient Gases and Contrived CO ₂ Pressures in the AGS <u>E. Gill, L. Ahrens, K.M. Welch</u> August 7, 1989
260	Spring 1988	Stopband Measurements in the AGS (II) <u>W. van Asselt & C. Gardner</u> November 14, 1989
261	4/10/90	Exploring the VHF Cavity Parameter Space (1990) <u>L. Ahrens, J. Kats, K. Reece</u> April 27, 1990

No.	Date(s) of Study	Title/Experimenter(s)/Author(s)/Date of Report
262	5/4/90	Growth Rate of Longitudinal Instability on 1.77 GeV (2.71 GeV Total) Flattop <u>E. Raka, M. Brennan, L. Ahrens, E. Gill</u> May 29, 1990
263	6/19/91	Booster Extraction (F3) Kicker: Kick Measurement Using the Beam L. Ahrens, M. Blaskiewicz, A. Zhang August 13, 1991
264	6/19, 6/26, 6/27/91	Chromaticity Measurements at the AGS Booster L. Ahrens and <u>W. van Asselt</u> October 2, 1991
265	5/7/92	Measurement of Beam Loss of Au ⁺⁷⁸ at 267 MeV/ μ in CO ₂ Pressure Bumps and the Calculated Charge Exchange Cross Sections <u>E. Gill and H.C. Hsueh</u> June 2, 1992
266	6/3/92	Orbits Produced by Individual Extraction Bump Magnets L. Ahrens, M. Blaskiewicz, <u>E. Bleser</u> July 31, 1992
267	6/3/92	Calibration of Booster Extraction Bump Magnets L. Ahrens, M. Blaskiewicz, <u>E. Bleser</u> August 12, 1992
268	8/7/92	Response of the Booster Loss Monitor System for Beam Dumps at Various Intensities and Energies L. Ahrens August 14, 1992
269	7/9/92	Chromaticity Measurements in the AGS Booster L. Ahrens & <u>W. van Asselt</u> September 9, 1992
270	6/2/92	Calibration of Booster Extraction Bump Magnet Readbacks L. Ahrens, M. Blaskiewicz, <u>E. Bleser</u> September 10, 1992
271	8/6/92	Impedance of Booster Band II Cavity and Associated Instabilities <u>M. Blaskiewicz, J.M. Brennan, A. Ratti</u> September 15, 1992

<u>No.</u>	<u>Date(s) of Study</u>	<u>Title/Experimenter(s)/Author(s)/Date of Report</u>
272	August 6, 1992	Calibration of IPM Using the Flying Septum <u>E. Bleser</u> , K. Brown, P. Ingrassia, K. Kraemer, J. Laster, P. Sparrow, A. Stillman September 30, 1992
273	Summer 1992	Observation and Correction of Resonance Stopbands in the AGS Booster: 1992 C. Gardner October 12, 1992
274	Various	Synopsis of BTA Steering Data and Future Directions <u>M. Blaskiewicz</u> , J.W. Glenn October 28, 1992
275	6/9/92 & 6/29/92	Emittance Measurements of 200 MeV Proton Beam in the LTB Transfer Line <u>T. Roser</u> and J. Skelly November 18, 1992
276	November 24, 1992	Examination of Booster Injection Foils <u>E. Bleser</u> & J. Brodowski December 1, 1992
277	March 9-12, 1993	Matching Between LTB and Booster K. Reece, <u>T. Roser</u> , R. Thern, <u>M. Tanaka</u> , V. Garczynksi, J. Wei, D-P Deng (+MCR) March 17, 1993
278	March 19, 24, 1993	Calibration of Booster Extraction Bumps L. Ahrens, E. Bleser, <u>M. Tanaka</u> , R. Thern (+MCR) April 8, 1993
279	March 11, 1993	Foil Position Calibration C. Gardner, <u>L.G. Ratner</u> , T. Roser April 20, 1993
280	March 7, 1993	Orbit Harmonics vs. Tune in the Booster <u>K. Brown</u> , G. Murdock, S. Tanaka, C. Whalen, K..Zeno April 19, 1993
281	April 8, 1993	Measurement of C-5 and A-4 Eddy Current Correctors C. Whalen and <u>E. Bleser</u> April 21, 1993
282	4/14/93 & 4/17/93	Half Integer Stopband Width of the Booster C. Gardner and Y. <u>Shoji</u> April 26, 1993

<u>No.</u>	<u>Date(s) of Study</u>	<u>Title/Experimenter(s)/Author(s)/Date of Report</u>
283	April 10, 1993	Calibration of the Booster F6 Ejector Septum <u>M. Tanaka, R. Thern, K. Zeno</u> April 28, 1993
284	March 24, 1993	Calibration of the Booster F3 Kicker and Measurements of Horizontal Dynamical Aperture at the F6 Ejector E. Bleser, <u>M. Tanaka, R. Thern, MCR</u> May 1, 1993
285	April 10, 1993	Measurement of Vertical Beam Size at the F6 Extraction Septum Using Radiation Losses M. Tanaka, R. Thern, <u>K. Zeno</u> June 8, 1993
286	April 30, 1993 & May 2, 1993	Stopband Correction of the AGS Booster 14th Normal Sextupole Correction C. Gardner and <u>Y. Shoji</u> June 11, 1993
287	March 28-May 7, 1993	Stopband Correction of the AGS Booster 2Qx=9 Correction Data Before May 7 C. Gardner and <u>Y. Shoji</u> June 11, 1993
288	March 28-May 7	Stopband Correction of the AGS Booster 2Qy=9 Correction Data Before May 7 C. Gardner and <u>Y. Shoji</u> August 4, 1993
289	April 1, 11, 23	Stopband Correction of the AGS Booster Integer Coupling ($Q_x+Q_p=9$) Correction Data C. Gardner and <u>Y. Shoji</u> August 4, 1993
290	April 3, 5	Stopband Correction of the AGS Booster Tune Space Survey at the Low Intensity (1) C. Gardner and <u>Y. Shoji</u> August 4, 1993
291	April 19 & May 12	Stopband Correction of the AGS Booster Observed Loss by 4th Resonance C. Gardner and <u>Y. Shoji</u> August 4, 1993
292	April 30	Stopband Correction of the AGS Booster Harmonic Component of C.O.D. C. Gardner and <u>Y. Shoji</u> August 4, 1993

<u>No.</u>	<u>Date(s) of Study</u>	<u>Title/Experimenter(s)/Author(s)/Date of Report</u>
293	April 27, 28, May 7	Stopband Correction of the AGS Booster 9th Normal Sextupole Correction Test C. Gardner and <u>Y. Shoji</u> August 4, 1993
294	July 9	Stopband Correction of the AGS Booster 9th Skew Sextupole Correction Test C. Gardner and <u>Y. Shoji</u> August 4, 1993
295	May 7, 12	Stopband Correction of the AGS Booster Skew Sextupole Correction for $3Qy=14$ and $3y+2Qx=14$ August 4, 1993
296	May 20	Stopband Correction of the AGS Booster Tune Space Survey at the Low Intensity (2) C. Gardner and <u>Y. Shoji</u> August 4, 1993

<u>NO.</u>	<u>DATE(s) OF STUDY</u>	<u>TITLE/EXPERIMENTER(s)/AUTHOR(s)/DATE OF REPORT</u>
297	May 28-June 4 1993	Stopband Correction of the AGS Booster Intensity Dependence of Resonances C. Gardner and <u>Y. Shoji</u> August 4, 1993
298	May 26 1993	Stopband Correction of the AGS Booster Quadrupole and Sextupole Correction Parameters for $2Qy=9$ C. Gardner and <u>Y. Shoji</u> August 4, 1993
299	July 14 1993	Stopband Correction of the AGS Booster The Effect of the Skew Sextupole Correction C. Gardner and <u>Y. Shoji</u> August 4, 1993
300	July 23-25 1993	Stopband Correction of the AGS Booster Structure Resonances C. Gardner and <u>Y. Shoji</u> August 4, 1993
301	2/19/93-8/20/93	Total Protons Incident on Booster Dump <u>E. Bleser</u> , P. Ingrassia, J. Laster September 15, 1993
302	9/15, 9/30, 10/3/93	SEB Extraction Efficiency for Au^{+77} and Au^{+79} <u>K. Brown</u> , S. Tanaka, E. Bleser, P. Carolan, J.W. Glenn October 25, 1993
303	10-14-18/93	Signal Induced on the Booster Current Transformers by Pulsing the C7 Fast Injection Magnet L. Ahrens October 27, 1993
304	April 4, 1993	Measurement of Coherent Space Charge Tune Shifts in the Booster W. van Asselt November 8, 1993
305	April-July 1993	Stopband Correction of the AGS Booster Down Feed Matrix C. Gardner and <u>Y. Shoji</u> 11/22/93
306	Sept. 28-29, 1993	Gold 77^+ Extraction Momentum Measurement <u>L. Ahrens</u> and W. van Asselt November 29, 1993
307	April-July, 1993	Stopband Correction of the AGS Booster C.O.D. Analysis C. Gardner and <u>Y. Shoji</u> November 29, 1993
308	April-July, 1993	Stopband Correction of the AGS Booster Down Feed Effect Observed at the AGS Booster and Octupole Imperfection C. Gardner and <u>Y. Shoji</u> November 29, 1993

<u>No.</u>	<u>Date(s) of Study</u>	<u>Title/Experimenter(s)/Author(s)/Date of Report</u>
309	10/1/93 (1000-1030)	SEB Extraction Efficiency as a Function of the Drive Sextupole Strength P. Carolan and M. <u>Tanaka</u> December 1, 1993
310	10/8, 14, 15/93 & 9/22/93	Measurements of Longitudinal Emittance of Au ⁷⁷ in the AGS <u>J.M. Brennan</u> , D-P Deng, J. Rose December 7, 1993
311	10/15/93	Trimming Longitudinal Emittance of Au ⁷⁷⁺ in the AGS J.M. Brennan, <u>D.-P. Deng</u> , J. Rose January 28, 1994
312	Various	Emittance Measurements in the LTB and BTA Lines P. Sampson April 21, 1994
313	4/10/94 (0900-2100)	Measurement of d(h*frev)/dR and ξ_h R. Thern, <u>M. Tanaka</u> , E. Bleser, N. Williams, K. Zeno, P. Carolan/C. Whalen May 3, 1994
314	4/1/94	Normalized Emittance Measurements Using a Current Transformer Signal of Spiraling Beam K. Zeno June 1, 1994
315	Various	AGS Stopbands L. Ahrens, <u>M. Blaskiewicz</u> , C. Gardner, W. van Asselt August 2, 1994
316	July 12-14, 1994	Continued Search for the Source of the North Conjunction Area Muon Radiation--Shielding the H2O Electrostatic Septum <u>L. Ahrens</u> and J.W. Glenn August 12, 1994
317	Sept. 15 & 22, 1994	Booster Studies of Au ⁺¹⁵ Losses <u>M. Blaskiewicz</u> & L. Ahrens October 11, 1994

<u>No.</u>	<u>Date(s) of Study</u>	<u>Title/Experimenter(s)/Author(s)/ Date of Report</u>
318	10/12/94	AGS Working Points for AtR, MS I L. Ahrens, K. Brown, E. Gill, W. van Asselt, <u>M. Tanaka</u> October 19, 1994
319	6/30/94	Switchyard Losses and Transport Efficiency for High Intensity Protons with Unsplit Beams J.W. Glenn, J. Laster, <u>K.A. Brown</u> January 12, 1995
320	March-July, 1994	Daily Log Summary for Proton Run from March to July, 1994 E. Bleser February 2, 1995
321	March-Sept., 1994	Daily Log Summary II: BTA Steering E. Bleser February 21, 1995
322	March-July, 1994	Daily Log Summary III: BTA Vertical Emittance E. Bleser February 28, 1995
323	March-July, 1994	Daily Log Summary IV: BTA Horizontal Steering and Emittance E. Bleser March 3, 1995
324	March-July, 1994	The BTA Horizontal Orbit as a Function of the Booster Extraction Point E. Bleser March 13, 1995
325	March 12, 1995	Steering in the BTA with the F6 Septum Magnet E. Bleser March 17, 1995
326	March 11, 12, 1995	Vertical Bump at E-20 E. Gill and A. Soukas March 22, 1995
327	April 3, 1995	Dependence of the F6 BTA Extraction Magnet on Both User 1 and User 3 E. Bleser April 10, 1995

<u>No.</u>	<u>Date(s) of Study</u>	<u>Title/Experimenter(s)/Author(s)/Date of Report</u>
328	May 2, 1995	AGS Stopbands II <u>M. Blaskiewicz</u> and J.W. Glenn May 19, 1995
329	January 17 & 26, April 14, 1995	Transport Efficiency and Target SEC Calibrations for SEB Beam Lines <u>K.A. Brown</u> and J.W. Glenn May 31, 1995
330	May 2 & May 25, 1995	AGS Stopbands III <u>M. Blaskiewicz</u> and J.W. Glenn May 31, 1995
331	June 20, 1995	Linac to Booster (LTB) Steering N. Williams, <u>E. Bleser</u> June 22, 1995

<u>No.</u>	<u>Date(s) of Study</u>	<u>Title/Experimenter(s)/Author(s)/Date of Report</u>
332	June 18, 1995	Measurement of the Sextupole String "Center" on the AGS Injection Porch <u>L. Ahrens, C. Whalen, N. Williams, B. Tamminga</u> July 11, 1995
333	June 7, 1995	Margin Check for BTA Magnet Currents J.W. Glenn, K. Zeno July 25, 1995
334	May 11, 1995 & June 15, 1995	Testing the New FEB Bumps L. Ahrens, A. Dunbar, J.W. Glenn, <u>M. Tanaka</u> August 7, 1995
335	June 16, 1995	SBE Beam Profile <u>M. Tanaka and S.Y. Zhang</u> August 14, 1995
336	February 9- September 7, 1994	Report on Protons Incident on Booster Dump in 1994 <u>E. Bleser and P. Ingrassia</u> August 15, 1995
337	December 21- May 17, 1995	Interim Report on Protons Incident on Booster Dump in 1995 E. Bleser and P. Ingrassia August 15, 1995
338	June 7, 1995 (Midnight shift)	Extraction and Transport of Protons to Emulate 1 GeV/c/nucleon Iron Ions <u>L. Ahrens, J.W. Glenn, N. Williams</u> September 6, 1995
339	December 18, 1995	AGS Extraction Radius Revisited -- Au ⁷⁷⁺ L. Ahrens January 30, 1996
340	June, 1995	Beam Losses Associated with the Booster-to-AGS Transfer and AGS Accumulation (1995) February 5, 1996
341	December 10, 1995	Increasing Extraction Efficiency of Au ⁷⁷⁺ Beam Using H2O <u>K. Brown, Greg Marr, B. Tamminga</u> February 12, 1996

<u>No.</u>	<u>Date(s) of Study</u>	<u>Title/Experimenter(s)/Author(s)/Date of Report</u>
342	November 29, 1995	Performance of SEB Ion Chamber During FY 1996 11.8 GeV/c/n Au79+ Run Kevin Brown February 21, 1996 (Addendum 3/11/96)
343	February 3, 1996	Verification of the BTA Model P. Sampson March 6, 1996
344	October 17, 1993	Reversible Bunch Rotation in the AGS J.M.Brennan, D.P. Deng, <u>J. Rose</u> April 17, 1996
345	May 15, 1996	Calibration of Target SECs Based on Single Beam Transports <u>K. Brown</u> , J.W. Glenn May 17, 1996
346	March 1-June 15, 1996	SEC Efficiency vs. Integrated Beam Intensity I.H. Chiang June 20, 1996
347	July 6, 1996 (1100-1300)	Booster Loss Monitor Sensitivity L. Ahrens August 5, 1996
348	May 15, 1996; May 20, 1996	AGS Loss Monitor System Response Measurement on the Injection Porch <u>L. Ahrens</u> , B. Tamminga August 7, 1996
349	June 25, 1996 (2000-2100)	"BtA" Losses 25 June 96 at 8 p.m. L. Ahrens August 12, 1996
350	April 16-June 27, 1996	Proton Beam Emittance in the BTA Line MCR Staff and <u>S.Y. Zhang</u> August 29, 1996
351	June 26, 1996	Beam Loss Pattern at DH4 in the BTA Line P. Sampson and <u>S.Y. Zhang</u> September 10, 1996

<u>No.</u>	<u>Date(s) of Study</u>	<u>Title/Experimenter(s)/Author(s)/Date of Report</u>
352	June 25, 1996	Quadrupole Steering Effect in the BTA Line P. Sampson and <u>S.Y. Zhang</u> September 11, 1996
353	Jan. 24, 1997	Gold Injection into the Booster: Beam Survival as the Length of the Tandem Current Pulse is Varied L. Ahrens February 24, 1997
354	Feb. 2, 1997	Gold Beam Survival on a Magnetic Porch at Booster Injection <u>L. Ahrens</u> and K. Zeno February 26, 1997
355	Nov, 26, Dec, 27, 1996; Jan. 9, 1997	AGS Programmed B Field vs. Hall Probe and Gauss Clock Readbacks J.W. Glenn March 10, 1997
356	June 8-9, 1996	Linac Beam Momentum Spread C. Whalen and <u>S.Y. Zhang</u> March 31, 1997
357	January 9, 1997 1200-1300	Gold Beam BTA Transfer P. Sampson, H. Huang, <u>S.Y. Zhang</u> March 31, 1997
358	Various	Gold Beam Transverse Emittance H. Huang, P. Sampson, A. Stillman, <u>S.Y. Zhang</u> March 31, 1997
359	June 19, 1995	Comments on Studies Report No. 322 E. Bleser May 6, 1997
360	Various	Booster Horizontal and Vertical Aperture S. Y. Zhang May 6, 1997
361	July 18-22, 1997	A problem found with Low Momentum Multiple Bunch Extraction into the U Line L. Ahrens, T. Roser, W. Glenn September 5, 1997

<u>No.</u>	<u>Date(s) of Study</u>	<u>Title/Experimenter(s) /Author(s) /Date or Report</u>
362	July 8-9, 1997	Calibration of the G-10 Loss Monitor L. Ahrens, W. Van Asselt September 9, 1997
363	Nov. 11- Dec. 23, 1996	Protons Incident on the Booster Dump in 1996 E. Bleser, P. Ingrassia October 6, 1997
364	Dec. 23, 1996 - Sept. 10, 1997	Protons Incident on the Booster Dump in 1997 E. Bleser, P. Ingrassia November 12, 1997
365	Oct. 21-24, 1997	A Study of the Effect of Linear Coupling on the Injection Ion into the Booster L. Ahrens, C. Gardner November 19, 1997
366	Oct. 15, 1997 Oct. 27, 1997	Fe (6+) and Fe (10+) Booster Losses M. Blaskiewicz, L. Ahrens November 25, 1997
367	Oct. 25, 1997	Scanning the New TtB Slits L. Ahrens, S.Y. Zhang, J. Benjamin December 10, 1997
368	Nov. 1-14, 1997	AGS Main Magnet Field Measurement using Polarized Protons E880 Group December 12, 1997
369	Jan. 13, 1997	Booster Gold Beam Injection Efficiency and Beam Loss S.Y. Zhang, L.A. Ahrens February 10, 1999
370	Various	Booster Vacuum Measurements for Gold Beam Injection L. Ahrens, C. Gardner, S.Y. Zhang May 28, 1998
371	June 19, 1998	Anomalous Beam Motion in the TTB Line, and the "Getter-Strip" Hypothesis L. Ahrens, et al June 30, 1998

- 372 April, May 1998 Studies of Heavy Ion Injection with Linear Coupling (1998)
 C. Gardner, L. Ahrens, K. Zeno
 September 16, 1998
- 373 April 28, 1998 Gold Beam Loss at the Booster
 L. Ahrens and S.Y. Zhang
 October 21, 1999
- 374 December 6, 1999 Silicon Intensity Dependence of BTA Profile Shape
 L. Ahrens, C. Gardner, J. Wei, K. Zeno, S.Y. Zhang
 November 19, 1999
- 375 January 13, 2000 Booster Fault Study for the BAF Penetration Site
 C.J. Gardner, L.A. Ahrens, J.W. Glenn, J.A. Kozak,
 J.F. Ryan
 December 9, 1999
- 376 July 13, 2000 Booster Fault Study (No. 13) for Generic Areas on the
 Berm Not Monitored by Chipmunks
 L. A. Ahrens, K. J. Boland, C. J. Gardner, J. W. Glenn,
 C.V. Karns
 July 13, 2000
- 377 July 13, 2000 Further Studies of Coupled Injection in Booster
 L. A. Ahrens, C. J. Gardner, K. L. Zeno
 July 13, 2000
- 378 July 27, 2000 Tandem Gold Beam Two Injections Study at the booster
 J. Benjamin, D. Steski, K. Zeno, S.Y. Zhang
 July 27, 2000